

CHAPTER 153 STORMWATER MANAGEMENT

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[*HISTORY*: Adopted by the BOROUGH COUNCIL 10-22-58 as Ord. No. 305¹; amended in its entirety on 9-5-84 by Ord. No. 683; amended in its entirety on 4-19-95 by Ord. No. 833; amended partially on 11-1-95 by Ord. No. 841, amended in its entirety 12-5-18 by Ord. No. 1116]

¹ Editor's Note: This ordinance was originally adopted as Ch. 158, but all references to Ch. 158 and §§ 158.1 through 158.27 were amended to read Ch. 153 and §§ 153.1 through 153.27 by Ord. No. 787 adopted 9-2-92.

ARTICLE I
GENERAL PROVISIONS

§ 153.1. Short Title.

This Article shall be known and may be cited as the "BOROUGH of Whitehall STORMWATER Management Ordinance."

§ 153.2. Statement of Findings.

BOROUGH COUNCIL finds:

- § 153.2.1.** Inadequate management of accelerated RUNOFF of STORMWATER resulting from DEVELOPEMNT throughout a WATERSHED increases RUNOFF volumes, flows and velocities, contributes to EROSION and sedimentation, overtaxes the carrying capacity of STREAMS and storm sewers, greatly increases the cost of public facilities to carry and control STORMWATER, undermines flood plain management and flood control efforts in downstream communities, reduces GROUNDWATER RECHARGE, threatens public health and safety, and increases nonpoint source pollution of water resources.
- § 153.2.2.** A comprehensive program of STORMWATER management (SWM), including regulation of DEVELOPMENT and activities causing accelerated RUNOFF, is fundamental to the public health, safety, and welfare and the protection of people of the Commonwealth, their resources, and the environment.
- § 153.2.3.** STORMWATER is an important water resource that provides GROUNDWATER RECHARGE for water supplies and supports the base flow of STREAMS.
- § 153.2.4.** The use of GREEN INFRASTRUCTURE (GI) and LOW IMPACT DEVELOPMENT (LID) are intended to address the root cause of water quality impairment by using systems and practices which use or mimic natural processes to: 1) infiltrate and recharge, 2) evapotranspire, and/or 3) harvest and use precipitation near where it falls to earth. GREEN INFRASTRUCTURE practices and LID contribute to the restoration or maintenance of pre-DEVELOPMENT hydrology.
- § 153.2.5.** Federal and state regulations require certain municipalities to implement a program of STORMWATER controls. These municipalities are required to obtain a permit for STORMWATER discharges from their separate storm sewer systems under the National Pollutant Discharge Elimination System (NPDES) program.

§ 153.3. Purposes.

The purpose of this Ordinance is to promote health, safety, and welfare within the BOROUGH and its WATERSHED by minimizing the harms and maximizing the benefits described in Section 153.2 of this Ordinance, through provisions designed to:

- § 153.3.1. Meet legal water quality requirements under state law, including regulations at 25 Pa. Code 93 to protect, maintain, reclaim, and restore the existing and designated uses of the WATERS OF THIS COMMONWEALTH.
- § 153.3.2. Preserve natural drainage systems.
- § 153.3.3. Manage STORMWATER RUNOFF close to the source, reduce RUNOFF volumes and mimic predevelopment hydrology.
- § 153.3.4. Provide procedures and performance standards for STORMWATER planning and management.
- § 153.3.5. Maintain GROUNDWATER RECHARGE to prevent degradation of surface and GROUNDWATER quality and to otherwise protect water resources.
- § 153.3.6. Prevent scour and EROSION of STREAM banks and streambeds.
- § 153.3.7. Provide proper operation and maintenance of all STORMWATER BEST MANAGEMENT PRACTICES (BMPs) that are implemented within the BOROUGH.
- § 153.3.8. Provide standards to meet NPDES permit requirements.

§ 153.4. Statutory Authority.

The BOROUGH is empowered to regulate land use activities that affect RUNOFF by the authority of the Act of July 31, 1968, P.L. 805, No. 247, The Pennsylvania Municipalities Planning Code, as amended, and/or the Act of October 4, 1978, P.L. 864 (ACT 167), 32 P.S. Section 680.1, et seq., as amended, The STORMWATER Management Act.

§ 153.5. Applicability.

All REGULATED ACTIVITIES and all activities that may affect STORMWATER RUNOFF, including LAND DEVELOPMENT and EARTH DISTURBANCE ACTIVITY, are subject to regulation of this Ordinance.

§ 153.6. Repealer.

Any other ordinance provision(s) or regulation of the BOROUGH inconsistent with any of the provisions of this Ordinance is hereby repealed to the extent of the inconsistencies only.

§ 153.7. Severability.

In the event that a court of competent jurisdiction declares any section or provision of this Ordinance invalid, such decision shall not affect the validity of any of the remaining provisions of this Ordinance.

§ 153.8. Compatibility with Other Requirements.

Approvals issued and actions taken under this Ordinance do not relieve the APPLICANT of the responsibility to secure required permits or approvals for activities regulated by any other code, law, regulation or ordinance.

§ 153.9. Erroneous Permit.

Any permit or authorization issued or approved based on false, misleading or erroneous information provided by an APPLICANT is void without the necessity of any proceedings for revocation. Any work undertaken or use established pursuant to such permit or other authorization is unlawful. No action may be taken by a board, agency or employee of the BOROUGH purporting to validate such a violation.

§ 153.10. Waivers.

§ 153.10.1. If the BOROUGH determines that any requirement under this Ordinance cannot be achieved for a particular regulated activity the BOROUGH may, after an evaluation of alternatives, approve measures other than those in this Ordinance, subject to Section 153.10.2. **The proposed area of disturbance shall be less than one acre.** The request for a modification or waiver shall originate with the Landowner, shall be in writing, and shall accompany the STORMWATER MANAGEMENT SITE PLAN submitted to the BOROUGH. The request shall provide the facts on which the request is based, the provisions of the Ordinance involved, and the proposed modification. The DESIGNATED PLAN REVIEWER shall review the request to determine if it meets the requirements of the Ordinance, including Section 153.10.2 below. If acceptable to the BOROUGH, the BOROUGH may grant the waiver or modification.

§ 153.10.2. Waivers or modifications of the requirements of this Ordinance may be approved by the BOROUGH if enforcement will exact undue hardship because of unique physical circumstances or conditions peculiar to the land in question, provided that the modifications will not be contrary or detrimental to the public interest and will achieve the intended outcome, and that the purpose of the Ordinance is preserved. Hardship must be due to such unique physical circumstances or conditions and not to circumstances or conditions generally created by the provisions of the STORMWATER Management Ordinance. Cost or financial burden shall not be considered a hardship. Modifications shall not substantially or permanently impair the appropriate use or DEVELOPMENT of adjacent property. A request for modifications shall be in writing and accompany the STORMWATER MANAGEMENT SITE PLAN submission, as directed in Section 153.10.1 above.

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§ 153.10.3. No waiver or modification of any regulated STORMWATER activity involving earth disturbance greater than or equal to one (1) acre may be granted by the BOROUGH.

§ 153.11. Version of Regulations and Standards.

Any reference to a statute, regulation or standard, shall be interpreted to refer to the latest or most current version of that document.

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ARTICLE II
DEFINITIONS

§ 153.12. Definitions. For the purposes of this Ordinance, certain terms and words used herein shall be interpreted as follows:

- § 153.12.1.** Words used in the present tense include the future tense; the singular number includes the plural, and the plural number includes the singular; words of masculine gender include feminine gender; and words of feminine gender include masculine gender.
- § 153.12.2.** The word “includes” or “including” shall not limit the term to the specific example but is intended to extend its meaning to all other instances of like kind and character.
- § 153.12.3.** The words “shall” and “must” are mandatory; the words “may” and “should” are permissive.
- § 153.12.4.** These definitions do not necessarily reflect the definitions contained in pertinent regulations or statutes, and are intended for this Ordinance only.

ACT 167 – The BOROUGH is empowered to regulate land use activities that affect RUNOFF and surface and GROUNDWATER quality and quantity by the authority of the Act of October 4, 1978, P.L. 864 (ACT 167), 32 P.S. Section 680.1, et seq., as amended, “the Storm Water Management Act.”

AGRICULTURAL ACTIVITY – Activities associated with agriculture such as agricultural cultivation, agricultural operation, and animal heavy use areas. This includes the work of producing crops including tillage, land clearing, plowing, disking, harrowing, planting, harvesting crops or pasturing and raising of livestock and installation of conservation measures. Construction of new buildings or IMPERVIOUS AREA is not considered an AGRICULTURAL ACTIVITY.

APPLICANT – A landowner, developer, or other person who has filed an application to the BOROUGH for approval to engage in any regulated activity at a PROJECT SITE in the BOROUGH.

BEST MANAGEMENT PRACTICE (BMP) – Activities, facilities, designs, measures, or procedures used to manage STORMWATER impacts from REGULATED ACTIVITIES, to meet STATE WATER QUALITY REQUIREMENTS, to promote GROUNDWATER RECHARGE, and to otherwise meet the purposes of this Ordinance. STORMWATER BMPs are commonly grouped into one of two broad categories or measures: “structural” or “non-structural.” In this Ordinance, non-structural BMPs or measures refer to operational and/or behavior-related practices that attempt to minimize the contact of pollutants with STORMWATER RUNOFF, whereas structural BMPs or measures are those that consist of a physical device or practice that is installed to capture and treat

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STORMWATER RUNOFF. Structural BMPs include, but are not limited to, a wide variety of practices and devices, from large-scale retention ponds and constructed WETLANDs, to small-scale underground treatment systems, INFILTRATION facilities, filter strips, low impact design, bioretention, wet ponds, permeable paving, grassed swales, riparian or forested buffers, sand filters, DETENTION BASINS, and manufactured devices. Structural STORMWATER BMPs are permanent appurtenances to the PROJECT SITE.

BOROUGH – The BOROUGH of Whitehall, Allegheny County, Pennsylvania.

BOROUGH COUNCIL – The Council of the BOROUGH of Whitehall

CONSERVATION DISTRICT – A CONSERVATION DISTRICT, as defined in Section 3(c) of the CONSERVATION DISTRICT Law (3 P.S. § 851(c)) that has the authority under a delegation agreement executed with DEP to administer and enforce all or a portion of the regulations promulgated under 25 Pa. Code 102.

DESIGN STORM – The magnitude and temporal distribution of precipitation from a storm event measured in probability of occurrence (e.g., a 5-year storm) and duration (e.g., 24 hours) used in the design and evaluation of STORMWATER management system. Also see RETURN PERIOD.

DESIGNATED PLAN REVIEWER – A QUALIFIED PROFESSIONAL as defined herein, or organization such as the Allegheny County CONSERVATION DISTRICT, that has been designated by the BOROUGH to be the reviewer of SWM SITE Plans for the BOROUGH, and shall be understood to be the reviewer where indicated as the BOROUGH within this ordinance.

DETENTION BASIN – An impoundment designed to collect and retard STORMWATER RUNOFF by temporarily storing the RUNOFF and releasing it at a predetermined rate. DETENTION BASINS are designed to drain completely in a designed period after a rainfall event, and to become dry until the next rainfall event.

DETENTION VOLUME – The volume of RUNOFF that is captured and released into the waters of the Commonwealth at a controlled rate.

DEP – The Pennsylvania Department of Environmental Protection.

DEVELOPMENT SITE (SITE) – See PROJECT SITE.

DISTURBED AREA – An un-stabilized land area where an EARTH DISTURBANCE ACTIVITY is occurring or has occurred.

EARTH DISTURBANCE ACTIVITY – A construction or other human

activity which disturbs the surface of the land, including, but not limited to: clearing and grubbing; grading; excavations; embankments; road maintenance; building construction; and the moving, depositing, stockpiling, or storing of soil, rock, or earth materials.

EROSION – The natural process by which the surface of the land is worn away by water, wind, or chemical action.

EXISTING CONDITION – The dominant land cover during the 5-year period immediately preceding a proposed regulated activity.

FEMA – Federal Emergency Management Agency.

FLOODPLAIN – Any land area susceptible to inundation by water from any natural source or delineated by applicable FEMA maps and studies as being a special flood hazard area. Also includes areas that comprise Group 13 Soils, as listed in Appendix A of the Pennsylvania DEP Technical Manual for Sewage Enforcement Officers (as amended or replaced from time to time by DEP).

FLOODWAY – The channel of the WATERCOURSE and those portion of the adjoining FLOODPLAINS that are reasonably required to carry and discharge the 100-year flood. Unless otherwise specified, the boundary of the FLOODWAY is as indicated on maps and flood insurance studies provided by FEMA. In an area where no FEMA maps or studies have defined the boundary of the 100-year FLOODWAY, it is assumed – absent evidence to the contrary – that the FLOODWAY extends from the STREAM to 50 feet from the top of the bank of the STREAM.

FOREST MANAGEMENT/TIMBER OPERATIONS – Planning and activities necessary for the management of forestland. These include conducting a timber inventory, preparation of FOREST MANAGEMENT plans, silvicultural treatment, cutting budgets, logging road design and construction, timber harvesting, SITE preparation, and reforestation.

GREEN INFRASTRUCTURE – Systems and practices that use or mimic natural processes to infiltrate, evapotranspire, or reuse STORMWATER on the SITE where it is generated.

GROUNDWATER – Water beneath the earth's surface that supplies wells and springs and is within the saturated zone of soil and rock.

GROUNDWATER RECHARGE – The replenishment of existing natural underground water supplies from precipitation or overland flow.

HYDROLOGIC SOIL GROUP (HSG) – INFILTRATION rates of soils vary widely and are affected by subsurface permeability as well as surface intake rates. Soils are classified into four HSGs (A,B,C, and D) according to their minimum INFILTRATION rate, which is obtained for bare soil after prolonged wetting. The NRCS defines the four groups

and provides a list of most of the soils in the United States and their group classification. The soils in the area of the DEVELOPMENT SITE may be identified from a soil survey report that can be obtained from local NRCS offices or CONSERVATION DISTRICT offices. Soils become less pervious as the HSG varies from A to D (NRCS^{1,2}).

IMPERVIOUS SURFACE (IMPERVIOUS AREA) – A surface that prevents the INFILTRATION of water into the ground. IMPERVIOUS SURFACES (or areas) shall include, but not be limited to: roofs; additional indoor living spaces, patios, garages, storage sheds and similar structures; and any new streets or sidewalks. Decks, parking areas, and driveway areas are counted as IMPERVIOUS AREAS if they directly prevent INFILTRATION.

INVASIVE SPECIES – DCNR defines invasive plants as those species that are not native to the state, grow aggressively, and spread and displace NATIVE VEGETATION. (see http://www.dcnr.state.pa.us/cs/groups/public/documents/document/dcnr_010314.pdf for a list of INVASIVE SPECIES.

INFILTRATION – Movement of surface water into the soil, where it is absorbed by plant roots, evaporated into the atmosphere, or percolated downward to recharge GROUNDWATER.

LAND DEVELOPMENT (DEVELOPMENT) – Inclusive of any or all of the following meanings: (i) the improvement of one lot or two or more contiguous lots, tracts, or parcels of land for any purpose involved (a) a group of two or more buildings or (b) the division or allocation of land or space between or among two or more existing or prospective occupants by means of, or for the purpose of streets, common areas, leaseholds, condominiums, building groups, or other features; (ii) any SUBDIVISION of land; (iii) DEVELOPMENT in accordance with Section 503 (1.1) of the PA Municipalities Planning Code.

LOW-IMPACT DEVELOPMENT (LID) – SITE design approaches and small-scale STORMWATER management practices that promote the use of natural systems for INFILTRATION, evapotranspiration, and reuse of rainwater. LID can be applied to new DEVELOPMENT, urban retrofits, and revitalization projects. LID utilizes design techniques that infiltrate, filter, evaporate, and store RUNOFF close to its source. Rather than rely on costly large-scale conveyance and treatment systems, LID addresses STORMWATER through a variety of small, cost-effective landscape features located on-site.

NATIVE VEGETATION – Plant species that have historically grown in Pennsylvania and are not INVASIVE SPECIES as defined herein.

NRCS – USDA Natural Resources Conservation Service (previously SCS).

PEAK DISCHARGE – The maximum rate of STORMWATER RUNOFF from a specific storm event.

PERVIOUS AREA – Any area not defined as impervious.

PROJECT SITE – The specific area of land where any REGULATED ACTIVITIES in the BOROUGH are planned, conducted, or maintained.

QUALIFIED PROFESSIONAL – Any person licensed by the Pennsylvania Department of State or otherwise qualified under Pennsylvania law to perform the work required by this Ordinance.

REGULATED ACTIVITIES – Any EARTH DISTURBANCE ACTIVITIES or any activities that involve the alteration or DEVELOPMENT of land in a manner that may affect STORMWATER RUNOFF.

REGULATED EARTH DISTURBANCE ACTIVITY – Activity involving earth disturbance subject to regulation under 25 Pa. Code 92, 25 Pa. Code 102, or the Clean Streams Law.

RELEASE RATE - The percentage of EXISTING CONDITIONS peak rate of RUNOFF from a SITE or subarea to which the proposed conditions peak rate of RUNOFF must be reduced to protect downstream areas.

RELEASE RATE DISTRICT – A WATERSHED or portion of a WATERSHED for which a RELEASE RATE has been established by an adopted ACT 167 STORMWATER Management Plan.

RETENTION VOLUME/REMOVED RUNOFF – The volume of RUNOFF that is captured and not released directly into the surface WATERS OF THIS COMMONWEALTH during or after a storm event.

RETURN PERIOD – The average interval, in years, within which a storm event of a given magnitude can be expected to occur one time. For example, the 25-year RETURN PERIOD rainfall would be expected to occur on average once every 25 years; or stated in another way, the probability of a 25-year storm occurring in any one year is 0.04 (i.e., a 4% chance).

RIPARIAN BUFFER – A permanent vegetated area of trees and shrubs located adjacent to STREAMS, lakes ponds and WETLANDS.

RUNOFF – Any part of precipitation that flows over the land.

SEDIMENT – Soils or other materials transported by surface water as a product of EROSION.

STATE WATER QUALITY REQUIREMENTS – The regulatory requirements to protect, maintain, reclaim, and restore water quality under Title 25 of the Pennsylvania Code and the Clean STREAMS Law.

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STORMWATER – Drainage RUNOFF from the surface of the land resulting from precipitation or snow or ice melt.

STORMWATER MANAGEMENT FACILITY – Any structure, natural or man-made, that, due to its condition, design, or construction, conveys, stores, or otherwise affects STORMWATER RUNOFF. Typical STORMWATER management facilities include, but are not limited to: detention and retention basins; open channels; storm sewers; pipes; and INFILTRATION facilities.

STORMWATER MANAGEMENT SITE PLAN – The plan prepared by the developer or the developer's representative indicating how STORMWATER RUNOFF will be managed at the DEVELOPMENT SITE in accordance with this Ordinance. STORMWATER MANAGEMENT SITE PLAN will be designated as SWM SITE PLAN throughout this Ordinance.

STREAM – A channel or conveyance of surface water having a defined bed and banks, whether natural or artificial, with perennial or intermittent flow.

SUBDIVISION - As defined in The Pennsylvania Municipalities Planning Code, Act of July 31, 1968, P.L. 805, No. 247.

USDA – United States Department of Agriculture.

WATERS OF THIS COMMONWEALTH - Any and all rivers, STREAMS, creeks, rivulets, impoundments, ditches, WATERCOURSES, storm sewers, lakes, dammed water, WETLANDS, ponds, springs, and all other bodies or channels of conveyance of surface and underground water, or parts thereof, whether natural or artificial, within or on the boundaries of this Commonwealth.

WATERCOURSE – See STREAM

WATERSHED – Region or land area drained by a river, WATERCOURSE, or other surface water of this Commonwealth to a downstream point.

WELAND - Areas that are inundated or saturated by surface or GROUNDWATER at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, including swamps, marshes, bogs, and similar areas.

ARTICLE III
STORMWATER MANAGEMENT STANDARDS

§ 153.13. General Requirements

- § 153.13.1.** For all REGULATED ACTIVITIES, unless preparation of an SWM SITE Plan is specifically exempted in §153.14:
- § 153.13.1.1.** Preparation and implementation of an approved SWM SITE Plan is required.
 - § 153.13.1.2.** No REGULATED ACTIVITIES shall commence until the BOROUGH issues written approval of an SWM SITE Plan, which demonstrates compliance with the requirements of this Ordinance.
 - § 153.13.1.3.** The Borough shall be notified of construction operations prior to commencement so that an inspection can be complete.
 - § 153.13.1.4.** After the installation of stormwater management facility, the overseeing Professional Engineer (Design Engineer) should submit a letter indicating that the facility was installed per the approved plan.
- § 153.13.2.** SWM SITE Plans approved by the BOROUGH, in accordance with Section 153.24, shall be on SITE throughout the duration of the regulated activity.
- § 153.13.3.** These standards apply to the landowner and any person engaged in REGULATED ACTIVITIES.
- § 153.13.4.** Stormwater drainage systems shall be provided in order to permit unimpeded flow along natural watercourses, except as modified by SWM BMPs or open channels consistent with this Ordinance.
- § 153.13.5.** If diffused flow is proposed to be concentrated and discharged onto adjacent property with permission from the receiving property owner, the Developer must document that adequate downstream conveyance facilities exist to safely transport the concentrated discharge, or otherwise prove that no erosion, sedimentation, flooding, or other harm will result from the concentrated discharge and downstream easements shall be established to provide drainage paths for concentrated discharge. Maximum use shall be made of the existing on-site natural and man-made stormwater management facilities.
- § 153.13.6.** A concentrated discharge of stormwater to an adjacent property shall be within an existing watercourse or otherwise an easement shall be required. Pipe outlets shall also be provided with erosion resistant material or energy dissipaters to calm the anticipated velocity and discharge of stormwater.

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- § 153.13.7.** Discharge Points from any facility must be fifteen feet (15') from any property line with adequate BMPs to ensure no channelizing of flows onto neighboring property.
- § 153.13.8.** For all regulated EARTH DISTURBANCE ACTIVITIES, EROSION and SEDIMENT control BMPs shall be designed, implemented, operated, and maintained during the regulated EARTH DISTURBANCE ACTIVITIES (e.g., during construction) to meet the purposes and requirements of this Ordinance and to meet all requirements under Title 25 of the Pennsylvania Code and the Clean STREAMS Law. Various BMPs and their design standards are listed in the *EROSION and SEDIMENT Pollution Control Program Manual* (E&S Manual⁴), No. 363-2134-008, as amended and updated.
- § 153.13.9.** IMPERVIOUS AREAS:
- § 153.13.9.1.** The measurement of IMPERVIOUS AREAS shall include all of the IMPERVIOUS AREAs in the total proposed DEVELOPMENT even if DEVELOPMENT is to take place in stages.
- § 153.13.9.2.** For DEVELOPMENT taking place in stages, the entire DEVELOPMENT plan shall be used in determining conformance with this Ordinance.
- § 153.13.9.3.** For projects that add IMPERVIOUS AREA to a parcel, the total IMPERVIOUS AREA on the parcel is subject to the requirements of this Ordinance; except that the volume controls in §153.16 and the peak rate controls of §153.17 do not need to be retrofitted to existing IMPERVIOUS AREAs that are not being altered by the proposed regulated activity.
- § 153.13.9.4.** Any gravel or crushed stone surface, existing prior to the issuance of this ordinance is to be assumed as pervious surface.
- § 153.13.9.5.** Any areas proposed to be gravel or crushed stone shall be considered impervious.
- § 153.13.9.6.** The anticipated flooded surface area occurring within the site shall be considered as impervious.
- § 153.13.10.** STORMWATER flows onto adjacent or downstream property shall not be created, increased, decreased, relocated, impeded, or otherwise altered without written notification of the affected property owner(s). Notification shall include a description of the proposed DEVELOPMENT and the STORMWATER flows that are being created, increased, decreased, relocated, impeded, or otherwise altered. Adjacent property shall at a minimum include any property having a shared boundary with the subject property of the SWMSITE Plan, however, if in the judgement of the DESIGNATED PLAN REVIEWER additional properties are being affected, additional notifications may be required. Proof of notification

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(signed postal receipt for example) shall be included as part of the SWM Plan submission to the BOROUGH. Such STORMWATER flows shall be subject to the requirements of this Ordinance.

- § 153.13.11.** All REGULATED ACTIVITIES shall include such measures as necessary to:
- § 153.13.11.1.** Protect health, safety, and property.
 - § 153.13.11.2.** Meet the water quality goals of this Ordinance by implementing measures to:
 - § 153.13.11.2.1.** Minimize disturbance to FLOODPLAINS, WETLANDS, and wooded areas.
 - § 153.13.11.2.2.** Maintain or extend RIPARIAN BUFFERS.
 - § 153.13.11.2.3.** Avoid erosive flow conditions in natural flow pathways.
 - § 153.13.11.2.4.** Minimize thermal impacts to WATERS OF THIS COMMONWEALTH.
 - § 153.13.11.2.5.** Disconnect IMPERVIOUS SURFACES by directing RUNOFF to PERVIOUS AREAS, wherever possible.
 - § 153.13.11.3.** Incorporate methods described in the Pennsylvania STORMWATER BEST MANAGEMENT PRACTICES Manual (BMP Manual³). If methods other than GREEN INFRASTRUCTURE and LID methods are proposed to achieve the volume and rate controls required under this Ordinance, the SWM SITE Plan must include a detailed justification, acceptable to the DESIGNATED PLAN REVIEWER, demonstrating that the use of LID and GREEN INFRASTRUCTURE is not practicable.
 - § 153.13.12.** INFILTRATION BMPs should be dispersed throughout the PROJECT SITE at strategic locations, made as shallow as practicable, and located to maximize use of natural on-site INFILTRATION features while still meeting the other requirements of this Ordinance.
 - § 153.13.13.** Normally dry, open top, storage facilities should completely drain both the volume control and rate control capacities over a period of time not less than 24 and not more than 72 hours from the end of the DESIGN STORM.
 - § 153.13.14.** The DESIGN STORM precipitation depths to be used in the analysis of peak rates of discharge shall be obtained in PennDOT's Drainage Manual, Publication 584, Appendix 7A; or obtained from the latest version of the Precipitation-Frequency Atlas of the United States, National

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Oceanic and Atmospheric Administration (NOAA), National Weather Service, Hydrometeorological Design Studies Center, Silver Spring, Maryland. NOAA's Atlas 14⁵ can be accessed at: <http://hdsc.nws.noaa.gov/hdsc/pfds/>.

- § 153.13.15. For all REGULATED ACTIVITIES, SWM BMPs shall be designed, implemented, operated, and maintained to meet the purposes and requirements of this Ordinance and to meet all requirements under Title 25 of the Pennsylvania Code, the Clean STREAMs Law, and the Storm Water Management Act.
- § 153.13.16. Various BMPs and their design standards are listed in the BMP Manual³.
- § 153.13.17. The BOROUGH may, after consultation with DEP, approve measures for meeting the STATE WATER QUALITY REQUIREMENTS other than those in this Ordinance, provided that they meet the minimum requirements of, and do not conflict with, state law including, but not limited to, the Clean STREAMs Law.
- § 153.13.18. Stormwater management facilities, which involve a State Highway, shall be subject to the approval of PennDOT.
- § 153.13.19. Stormwater management facilities, which involve a County Highway or a County Facility, shall be subject to the approval of Allegheny County.
- § 153.13.20. Minimization of impervious surfaces and maximization of infiltration of runoff through seepage beds, infiltration trenches, etc. are encouraged, where soil conditions permit, to reduce the size or eliminate the need for detention facilities.
- § 153.13.21. Where a development site is traversed by watercourses other than permanent streams, drainage easements shall be provided conforming to the line of such watercourses. The terms of the easement shall prohibit excavation, the placing of fill or structures, and any alterations that may adversely affect the flow of stormwater within any portion of the easement. Also, maintenance, including mowing of vegetation within the easement shall be required, except as approved by the appropriate governing authority.
- § 153.13.22. The PA Code, Title 25, Chapter 105, Rules and Regulations, apply to the construction, modification, operation or maintenance of both existing and proposed water obstructions and encroachments throughout the watershed, including work in wetlands. Inquires on permit requirement or other concerns shall be addressed to the DEP, Bureau of Waterways Engineering and Wetlands in Harrisburg.
- § 153.13.23. When it can be shown that, due to topographic conditions, natural drainageways on the site cannot adequately provide for drainage, open channels may be constructed conforming substantially to the line and grade of such natural drainageways. Work within natural drainageways

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shall be subject to approval by DEP through the Joint Permit Application process, or, where deemed appropriate by DEP, through the General Permit process.

§ 153.13.24. Stormwater resulting from Regulated Activities shall not be discharged into sinkholes.

§ 153.13.25. To the maximum extent practicable, incorporate the techniques for Low Impact Development Practices described in the BMP Manual.

§ 153.13.26. Criteria for Stormwater Detention Facilities

§ 153.13.26.1. If a detention facility is utilized for the development site, the facility shall be designed that post-development peak runoff rates from the developed site are controlled to those rates as required in Section 153.17, Rate Controls.

§ 153.13.26.2. The inflow hydrographs shall be routed through the detention facility by using the Modified Puls method (or other recognized routing method subject to the approval of the Borough and the County). The routing curves and outflow hydrographs for each design storm shall be submitted.

§ 153.13.26.3. All detention facilities shall be equipped with outlet structures to provide discharge control for the designated storm frequencies as outlined in Section 153.17, Rate Controls. Provisions shall also be made to safely pass the post-development 100-year storm runoff in the event of an outlet structure failure without damaging or impairing the continued function of the facilities.

§ 153.13.26.4. Other considerations which shall be incorporated into the design of the detention facilities include:

§ 153.13.26.4.1. Inflow and outflow structures shall be designed and installed to prevent erosion. The bottoms of above-ground detention facilities shall be protected from soil erosion. All outlet velocities shall be calculated and submitted. If riprap is proposed, the calculations shall be submitted.

§ 153.13.26.4.2. Control and removal of debris both in the storage structure and in all inlet or outlet devices shall be a design consideration. Trash racks on the outlet structures are required to minimize debris that enters the structure.

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- § 153.13.26.4.3.** Inflow and outflow structures, pumping stations, and other structures shall be protected and designed to minimize safety hazards.
- § 153.13.26.4.4.** The interior and exterior slope of a basin shall not exceed a 2:1 (horizontal to vertical) slope. Restriction of access (fences, walls, etc.) may be necessary depending on the location of the facility to protect adjacent property owners.
- § 153.13.26.4.5.** A basin with a water depth greater than 10 feet shall require a supporting report from a geotechnical engineer and shall be constructed under the supervision of the geotechnical engineer.
- § 153.13.26.4.6.** Landscaping shall be provided for the facility which harmonizes with the surrounding area.
- § 153.13.26.4.7.** The facility shall be accessible for maintenance purposes, considering the frequency and type of equipment that will be required. A maintenance schedule shall be submitted and approved by the Borough.
- § 153.13.26.4.8.** Details of the facility shall be shown on the plan.
- § 153.13.26.4.9.** If an underground facility is proposed, a cleanout(s) or inspection port(s) shall be provided for maintenance and inspection purposes.
- § 153.13.26.4.10.** An emergency spillway shall be provided for all detention facilities. For above-ground basins, the spillway shall be sized to pass the unrouted 100-year post-development storm with one foot of freeboard.
- § 153.13.26.4.11.** An as-built drawing shall be required for each stormwater detention facility constructed. The drawing shall be stamped by a registered professional engineer and submitted to the Borough within sixty (60) days of the completion of the facility. No facility will be accepted until this requirement has been fulfilled.

§ 153.13.27. Criteria for Stormwater Collection/Conveyance Facilities

§153.13.27.1. For the purpose of designing storm sewers, open swales, and other stormwater runoff collection and conveyance facilities, the Rational Method shall be applied. Rainfall intensities for a 25-year design storm with a minimum five (5) minute duration shall be used. If the existing time of concentration is larger than five (5) minutes, the calculated time of concentration shall be used as the rainfall duration.

§153.13.27.2. All stormwater runoff collection or conveyance facilities, whether storm sewers or other open or closed channels, shall be designed in accordance with the following basic standards:

§153.13.27.2.1. All sites shall be graded to provide drainage away from and around structures in order to minimize any potential flooding damage.

§153.13.27.2.2. Lots located on the highside of streets shall extend roof and french drains to the storm sewer in the street or to the gutter line of the street if no sewer exists. Lowside lots shall extend roof and French drains to a stormwater collection/conveyance system or natural watercourse in accordance with the approved stormwater management plan for the developments.

§153.13.27.2.3. Collection/conveyance facilities should not be installed parallel and close to the top or bottom of a major embankment to avoid the possibility of causing the embankment to fail.

§153.13.27.2.4. All collection/conveyance facilities shall be designed to convey stormwater flow from the contributing drainage area and to carry it to the nearest suitable outlet or natural watercourse. Off-site conveyance shall be provided with easements to an existing storm sewer system or natural watercourse.

§153.13.27.2.5. Where drainage swales or open channels are used, they shall be suitably lined to prevent erosion and designed to avoid excessive velocities. Calculations must be presented for the velocities and it must be shown that the proposed surface for the swale is adequate.

§153.13.27.2.6. Wherever storm sewers are proposed to be utilized, they must comply with the following criteria:

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- §153.13.27.2.6.1.** Designed to traverse under seeded and planted area. If constructed within 10 feet of the road paving, walks, or other surfaced areas, the drains shall have a narrow trench, and maximum compaction of backfill to prevent settlement of the superimposed surface or development.
- §153.13.27.2.6.2.** Installed after excavating and filling in the area to be traversed is completed, unless the drain is installed in the original ground with a minimum of 3 feet cover and/or adequate protection during the fill construction.
- §153.13.27.2.6.3.** Designed with a concrete cradle when traversing fill areas of indeterminate stability, and designed with anchors when gradient of sewer exceeds twenty (20%) percent, and designed with concrete encasement or special backfill requirements when traversing under a paved area.
- §153.13.27.2.6.4.** Designed to handle adequately the anticipated stormwater flow and to be constructed and maintained economically. The minimum pipe size shall be 15 inches in diameter.
- §153.13.27.2.6.5.** Drain pipe, trenching, bedding and backfilling requirements shall conform to the requirements of the Borough and/or applicable requirements of the Pennsylvania Department of Highways Specifications, Current Form 408.
- §153.13.27.2.6.6.** All pipe shall be made of either P.V.C., corrugated plastic pipe, corrugated plastic pipe with smooth interior walls, corrugated metal/steel, or reinforced concrete. All corrugated metal pipe shall be polymer coated. Pipe under a Borough cartway shall be reinforced concrete pipe with a minimum diameter of 15 inches.
- §153.13.27.2.6.7.** Storm inlets and structures shall be designed to be adequate, sage, self-cleaning and unobtrusive and shall be consistent with the standards of the Borough.

- §153.13.27.2.6.8.** Appropriate grates shall be designed for all catch basins, stormwater inlets and other entrance appurtenances in accordance with Borough specifications.
- §153.13.27.2.6.9.** Manholes shall be designed so that the top shall be at finished grade and sloped to conform to slope of finished grade. Top castings of structures located in roads or parking areas shall be machined or installed to preclude “rattling.”
- §153.13.27.2.6.10.** Where a proposed storm sewer connects with an existing storm sewer system, the applicant shall demonstrate that sufficient capacity exists in the downstream system to handle the additional stormwater flow.
- §153.13.27.2.6.11.** Storm sewer outfalls shall be equipped with energy dissipation to prevent erosion.

§153.14. Exemptions

- §153.14.1.** REGULATED ACTIVITIES that result in cumulative earth disturbances less than one (1) acre, as well as proposed impervious area less than 2,500 square feet, are exempt from the requirements in Section 153.19 of this ordinance except as provided in Section 153.14.2. below.
- §153.14.2.** Earth disturbances between one-quarter (0.25) acre (10,890 square feet) and one (1) acre of earth disturbance, as well as proposed impervious area between 250 Square Feet and 2,500 Square Feet, must submit a SWM SITE Plan to the BOROUGH which shall consist of the items and related supportive material needed to determine compliance with Section 153.15, Small Project Stormwater Management.
- §153.14.3.** AGRICULTURAL ACTIVITY is exempt from the SWM SITE Plan preparation requirements of this Ordinance provided the activities are performed according to the requirements of 25 Pa. Code Chapter 102.
- §153.14.4.** FOREST MANAGEMENT and TIMBER OPERATIONS are exempt from the SWM SITE Plan preparation requirements of this Ordinance provided the activities are performed according to the requirements of 25 Pa. Code Chapter 102.
- §153.14.5.** Roadway resurfacing and maintenance projects, which do not increase IMPERVIOUS AREA, and underground infrastructure projects are exempt from the provision of the Ordinance, provided the activities meet the requirements of all other Municipal, State and Federal requirements.

§153.14.6. Exemptions from any provisions of this Ordinance shall not relieve the APPLICANT from the requirements in Sections 153.13.8. through 14.

§153.14.7. The BOROUGH may deny or revoke any exemption pursuant to this Section at any time for any project that the BOROUGH believes may pose a threat to public health and safety or the environment.

§153.14.8. Voluntary Green STORMWATER Infrastructure (GSI) retrofit projects that are solely intended to better manage RUNOFF from existing DEVELOPMENT and are not part of new DEVELOPMENT or redevelopment, exempt from the STORMWATER management provisions of this Ordinance. This does not exempt such projects from any other municipal, state, or federal regulation.

§153.15. Small Projects

§153.15.1. Table 1 and Table 2 present the BOROUGH’s stormwater management requirements for small projects. For projects that propose additional impervious area or earth disturbance to a parcel, the total proposed impervious area and total proposed earth disturbance on the parcel is subject to the requirements of this Ordinance. Impervious area is described in Section 153.13.9.

Table 1 – Stormwater Management Requirements for Increase in Impervious Area

No.	Sq. Ft. of Proposed Impervious Surface	Stormwater Management Requirement
1	< 250	No requirements if there were no previous impervious surface additions
2	250 to 2,500 (Small Project)	Capture and detail the first 2” of any storm event
3	>2,500	Comply with requirements of this ordinance

Table 2 – Stormwater Management Requirements for Proposed Earth Disturbance

No.	Sq. Ft. of Proposed Earth Disturbance	Stormwater Management Requirement
1	< 10,890	No requirements if there were no previous impervious surface additions
2	10,890 to 43,559 (Small Project)	Capture and detain the first 2” of any storm event
3	>43,559	Comply with requirements of this ordinance

§153.15.2. Stormwater management for small projects will consist of capturing and detaining the first two inches of any storm event. For small projects, consider the following:

Two inches of rain results in the following volumes that need to be captured and detained:

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- 250 sq. ft. * 2 in./(12 in./ft.) * 7.48 gal/cu. ft. = 312 gallons of detention storage.
- 2,500 sq. ft. * 2 in./(12 in./ft.) * 7.48 gal.cu. ft. = 3,117 gallons of detention storage.

Therefore, small project detention requirements range from 312 gallons to 3,117 gallons.

- §153.15.3.** Capture and detention can be accomplished by a variety of methods, including, but not limited to:
- §153.15.3.1.** Rain Barrels (could be drained through a soaker hose)
 - §153.15.3.2.** Rain Gardens.
 - §153.15.3.3.** Stone Sumps (Dry Wells) and Infiltration Trenches filled with clean, AASHTO No. 3 stone, 40% void space.
 - §153.15.3.4.** Other methods as approved by the BOROUGH.
 - §153.15.3.5.** A combination of methods.
- §153.15.4.** In all cases, the detention method shall be designed to drain all accumulated runoff not less than 24 hours and not more than 72 hours after the end of the storm event. Appropriate soil percolation conditions must be available for stone sumps and rain gardens, and demonstrated by percolation tests.
- §153.15.5.** A maintenance agreement must be signed by the property owner to ensure the proper, continual inspection & maintenance of the capture and detention method.
- §153.15.6.** The property owner shall submit the following stormwater management information for review by the Municipality staff:
- §153.15.6.1.** A written description of the proposed project, including the dimensions of all proposed impervious surfaces.
 - §153.15.6.2.** A scale drawing showing existing and proposed features of the property.
 - §153.15.6.3.** A written description of the proposed stormwater management methods.
 - §153.15.6.4.** Dimensioned drawings of the proposed stormwater management methods and their locations.
 - §153.15.6.5.** A list of proposed impervious surfaces and their square footage.
 - §153.15.6.6.** Supporting documentation, such as assumptions, calculations,

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rain barrel size, stone size, percolation tests, etc.

§153.15.6.7. Draft operation & maintenance agreement.

§153.15.7. Construction of the proposed improvements shall not begin prior to receiving approval of the stormwater management plan from the Municipality.

§153.16. Volume Controls

The GREEN INFRASTRUCTURE and LOW IMPACT DEVELOPMENT practices provided in the BMP Manual³ shall be utilized for all REGULATED ACTIVITIES wherever possible. Water volume controls shall be implemented using the *DESIGN STORM Method* in Subsection 153.16.1 or the *Simplified Method* in Subsection 153.16.2 below. Water volume controls shall be implemented using the DESIGN STORM Method in Subsection 153.16.1 or the Simplified Method in Subsection 153.16.2 below, or alternative design criteria as allowed by PA Code Title 25, Chapter 102.

§153.16.1. The *DESIGN STORM Method* (CG-1 in the BMP Manual³) is applicable as a method to any size of regulated activity. This method requires detailed modeling based on SITE conditions. The following shall be incorporated into the CG-1 method:

§153.16.1.1 Do not increase the post-DEVELOPMENT total RUNOFF volume for all storms equal to or less than the 2-year 24-hour duration precipitation.

§153.16.1.2. At least the first one inch of RUNOFF from the net increase in IMPERVIOUS SURFACES shall be permanently removed from the RUNOFF flow, i.e., it shall not be released into the surface WATERS OF THIS COMMONWEALTH. Removal options include reuse, evaporation, transpiration, and INFILTRATION. If the developer provides justification that the listed removal options are not feasible, and the DESIGNATED PLAN REVIEWER agrees, RUNOFF shall be detained in a facility designed for a 24 to 72 hour dewatering in an area with a dedicated STORMWATER system (no contributory to a combined sewer system) and shall be detained in a facility designed for a 72 hour dewatering time in an area contributory to a combined sewer system before discharge to local STORMWATER systems or the environment.

§153.16.1.3. For modeling purposes:

§153.16.1.3.1. Existing pre-development non-forested PERVIOUS AREAS must be considered meadow in good condition.

§153.16.1.3.2. Twenty percent (20%) of existing IMPERVIOUS AREA, when present, shall be considered meadow in good condition in the model for EXISTING CONDITIONS.

- §153.16.2.** The *Simplified Method* (CG-2 in the BMP Manual³) provided below is independent of SITE conditions and should be used if the *DESIGN STORM* Method is not followed. This method is not applicable to REGULATED ACTIVITIES greater than one acre or for projects that require design of STORMWATER storage facilities. For new IMPERVIOUS SURFACES:
- §153.16.2.1.** STORMWATER facilities shall capture at least the first two (2) inches of RUNOFF from the new increase in IMPERVIOUS SURFACES.
- §153.16.2.2.** At least the first one inch of RUNOFF from the net increase in IMPERVIOUS SURFACES shall be permanently removed from the RUNOFF flow, i.e., it shall not be released into the surface WATERS OF THE COMMONWEALTH. Removal options include reuse, evaporation, transpiration, and INFILTRATION. If the developer provides justification that the listed removal options are not feasible, and the DESIGNATED PLAN REVIEWER agrees, RUNOFF shall be detained in a facility designed for a 24 hour dewatering time in an area with a dedicated STORMWATER system (not contributory to a combined sewer system) and shall be detained in a facility designed for a 72 hour dewatering time in an area contributory to a combined sewer system before discharge to local STORMWATER systems or the environment.
- §153.16.2.3.** Wherever possible, INFILTRATION facilities should be designed to accommodate INFILTRATION of the entire permanently REMOVED RUNOFF; however, in all cases at least the first 0.5 inch of the permanently REMOVED RUNOFF should be infiltrated.
- §153.16.2.4.** This method is exempt from the requirements of Section 153.17, Rate Controls.

§153.17. Rate Controls

- §153.17.1.** For areas not covered by a RELEASE RATE map from an approved ACT 167 STORMWATER Management Plan:

Post-DEVELOPMENT discharge rates shall not exceed 80% of the pre-DEVELOPMENT discharge rates for the 1-,2-,5-,10-,25-,50-, and 100-year, 24-hour storm events. This is the equivalent to a 80% RELEASE RATE area when compared to those rate shown in the maps contained in Appendix A (New and Existing RELEASE RATE Management Districts). This Pre-DEVELOPMENT to Post-DEVELOPMENT control is not to be misconstrued as the same as the "Conditional Direct Discharge" areas on the RELEASE RATE maps. If it is shown that the peak rates of discharge indicated by the post-DEVELOPMENT analysis are less than or equal to the peak rates of discharge indicated by the pre-DEVELOPMENT analysis for 1-,2-,5-,10-,25-,50-, and 100-year, 24-hour storms, then the requirements of this section have been met. Otherwise,

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the APPLICANT shall provide additional controls as necessary to satisfy the peak rate of discharge requirement. Peak flows should be computed using the methods included in the Chapter titled "STORMWATER Calculations and Methodology" of the PADEP STORMWATER Management BMP Manual.

§153.17.2. For areas covered by a RELEASE RATE map from an approved ACT 167 STORMWATER Management Plan:

For the 1-,2-,5-,10-,25-,50-, and 100-year, 24-hour storm events, the post-DEVELOPMENT PEAK DISCHARGE rates will follow the applicable approved RELEASE RATE maps. These maps are contained in Appendix A (New and Existing RELEASE RATE Management Districts) of this Ordinance. For any areas not shown on the RELEASE RATE maps, the post-DEVELOPMENT discharge rates shall not exceed the pre-DEVELOPMENT discharge rates for the specified design events. Peak flows should be computed using the methods included in Chapter 8 of the PADEP STORMWATER Management BMP Manual.

§153.18. Riparian Buffers

§153.18.1. In order to protect and improve water quality, a RIPARIAN BUFFER Easement shall be created and recorded as part of any SUBDIVISION or LAND DEVELOPMENT that encompasses a RIPARIAN BUFFER. The intent of this ordinance in establishing a RIPARIAN BUFFER is to protect and improve STREAM water quality. The RIPARIAN BUFFER is intended to slow overland flow to the STREAM through the presence of native grasses, trees and shrubs, allowing INFILTRATION/GROUNDWATER RECHARGE; causing deposition of SEDIMENT, nutrients, pesticides, and other pollutants in the buffer rather than in the STREAM; and reducing EROSION by providing STREAM bank stabilization. The trees provide shade for STREAMS; keeping waters cooler and reducing evaporation.

§153.18.2. Except as required by PA Code Title 25 Chapter 102, the RIPARIAN BUFFER Easement shall be required for all STREAs (as defined in Article II) with a contributing WATERSHED area of greater than 10 acres. The RIPARIAN BUFFER Easement shall be measured to be a minimum of 35 feet from the top of the streambank (on each side).

§153.18.3. Minimum Management Requirements for RIPARIAN BUFFERS.

§153.18.3.1. No use or construction within the RIPARIAN BUFFER shall be permitted that is inconsistent with the intent of the RIPARIAN BUFFER as described in Section 153.18.1.

§153.18.3.2. Existing NATIVE VEGETATION shall be protected and maintained within the RIPARIAN BUFFER Easement.

§153.18.3.3. Whenever practicable, invasive vegetation shall be actively

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removed and the RIPARIAN BUFFER Easement shall be planted with native trees, shrubs and other vegetation to create a diverse native plant community appropriate to the intended ecological context of the SITE.

- §153.18.4.** The RIPARIAN BUFFER Easement shall be enforceable by the BOROUGH and shall be recorded in the appropriate County Recorder of Deeds Office, so that it shall run with the land and shall limit the use of the property located therein. The easement shall allow for the continued private ownership and shall count toward the minimum lot area required by Zoning, unless otherwise specified in the Chapter 180 of Borough Code of Ordinances, Zoning.
- §153.18.5.** Any permitted use within the RIPARIAN BUFFER Easement shall be conducted in a manner that will maintain the extent of the existing 100-year FLOODPLAIN, improve or maintain the STREAM stability, and preserve and protect the ecological function of the FLOODPLAIN.
- §153.18.6.** STORMWATER drainage pipes shall be permitted within the RIPARIAN BUFFER Easement, but they shall cross the Easement in the shortest practical distance. Other structural STORMWATER management facilities are not permitted within the RIPARIAN BUFFER Easement.
- §153.18.7.** The following conditions shall apply when public and/or private recreation trails are permitted by the BOROUGH within RIPARIAN BUFFERS:
- §153.18.7.1.** It is preferred that trails be designed to be permeable and for non-motorized use only; however, impermeable trails are permitted provided they have adequate drainage.
- §153.18.7.2.** Trails shall be designed to have the least impact on native plan species and other sensitive environmental features.
- §153.18.8.** Septic drainfields and sewage disposal systems shall not be permitted within the RIPARIAN BUFFER Easement and shall comply with setback requirements established under 25 Pa. Code Chapter 73.
- §153.18.9.** Underground utilities shall be permitted within the RIPARIAN BUFFER Easement; however, work shall be performed to minimize disturbance area and removal of trees. Restoration within the RIPARIAN BUFFER Easement shall be with native species of trees, grasses, and other plantings. One tree shall be planted for each tree removed and the restoration shall be designed by a Registered Professional with the requisite experience. Aboveground utilities shall only be permitted to cross the Easement perpendicular to the Easement or in the shortest practical distance. Existing utilities may remain and be maintained as required.

ARTICLE IV
STORMWATER MANAGEMENT (SWM) SITE PLAN REQUIREMENTS

§153.19. Plan Requirements

The BOROUGH shall not approve any SWM SITE Plan that is deficient in meeting the requirements of this Ordinance. At its sole discretion and in accordance with this Article, when a SWM SITE PLAN is found to be deficient, the BOROUGH may either disapprove the submission and require a resubmission, or in the case of minor deficiencies, the BOROUGH may accept submission of modifications.

The following items shall be included in the SWM SITE Plan:

- §153.19.1.** Provisions for permanent access or maintenance easements for all physical SWM BMPs, such as ponds and INFILTRATION structures, as necessary to implement the Operation and Maintenance (O&M) Plan discussed in Section 153.19.3.9. below.
- §153.19.2.** The following signature block for the BOROUGH:
- “The Borough Engineer, on this date (Signature date), has reviewed and hereby certifies that the SWM SITE Plan meets all design standards and criteria of the Municipal Ordinance No. 1116, except where waivers have been granted as noted on the Plan. The review is based on a survey and plan prepared by others and assumes that all information is correct and valid as submitted.”
- §153.19.3.** The SWM SITE Plan shall provide the following information:
- §153.19.3.1.** The overall STORMWATER management concept for the project with the following additions:
- §153.19.3.1.1.** Watershed Location Map – Provide a key map showing the location of the development site within the watershed(s) and watershed(s) subarea(s). On all site drawings, show the boundaries of the watershed(s) and subarea(s) as they are located on the development site and identify watershed name(s) and subarea number(s). A U.S.G.S. map can be used for these purposes.
- §153.19.3.1.2.** Subwatershed Map – A plan shall be submitted showing all the drainage areas and subwatersheds for the pre- and post-development peak runoff calculations.
- §153.19.3.1.3.** Floodplain Boundaries – Identify 100-year floodplain boundaries on the development site as shown on the FEMA mapping, where applicable.
- §153.19.3.1.4.** Natural Features – Show all bodies of water (natural and artificial), watercourses (permanent and intermittent),

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swales, wetlands, and other natural drainage courses on the development site, or which will be affected by the runoff from the development.

§153.19.3.1.5. Soils – Provide a map showing soil types and boundaries within the development site (consult County, SCS, U.S. Geological Survey Maps for information.)

§153.19.3.1.6. Contours – Show existing and final contours at intervals of two feet. In areas with slopes greater than 15%, five-foot contour intervals may be used.

§153.19.3.1.7. Stormwater Management Controls – Show any existing stormwater management and/or drainage structures, such as storm sewers, swales, culverts, etc., which are located on the development site, or which are located off-site but will be affected by runoff from the development.

§153.19.3.1.8. Land Cover – Show existing and final land cover classifications as necessary to support and illustrate the runoff calculations performed.

§153.19.3.1.9. Drainage Area Delineations – Show the boundaries of the drainage areas employed in the runoff calculations performed.

§153.19.3.2. A determination of SITE conditions in accordance with the BMP Manual³. A detailed SITE evaluation shall be completed for projects proposed in environmentally sensitive areas, such as brownfields.

§153.19.3.3. STORMWATER RUNOFF design computations and documentation as specified in this Ordinance, or as otherwise necessary to demonstrate that the maximum practicable measures have been taken to meet the requirements of this Ordinance, including the recommendations and general requirements in Section 153.13.

§153.19.3.4. Expected project time schedule.

§153.19.3.5. A soil EROSION and SEDIMENT control plan, where applicable, as prepared for and submitted to the approval authority.

§153.19.3.6. The effect of the project (in terms of RUNOFF volumes, water quality, and peak flows) on surrounding properties and aquatic features and on any existing STORMWATER conveyance system that may be affected by the project.

§153.19.3.7. Plan and profile drawings of all SWM BMPs, including drainage structures, pipes, open channels, and swales.

- §153.19.3.8.** SWM SITE Plan shall show the locations of existing and proposed on-lot wastewater facilities and water supply wells, property boundaries, existing and proposed topography, point(s) of interest, utilities, and potential utility conflicts.
- §153.19.3.9.** The SWM SITE Plan shall include an O&M Plan for all existing and proposed physical STORMWATER management facilities. This plan shall address long-term ownership and responsibilities for O&M including type and schedule/frequency of maintenance activities, personnel and equipment requirements, estimated annual maintenance costs, and method of financing continuing O&M.
- §153.19.3.10.** A justification, acceptable to the DESIGNATED PLAN REVIEWER, must be included in the SWM SITE Plan if BMPs other than GREEN INFRASTRUCTURE methods and LID practices are proposed to achieve the volume, rate and water quality controls under this Ordinance.
- §153.19.3.11.** Professional Certification – The stormwater management plan (including all calculations) must be prepared, signed and sealed by a registered professional engineer, or land surveyor with training and expertise in hydrology and hydraulics, or such other professional persons as are qualified to make certification under the laws of Pennsylvania.

§153.20. Plan Submission

Up to five copies of the SWM SITE Plan shall be submitted as follows:

- §153.20.1.** Two copies to the BOROUGH.
- §153.20.2.** One copy to the BOROUGH ENGINEER (when applicable).
- §153.20.3.** One copy to the Allegheny County CONSERVATION DISTRICT (when requested by the District).
- §153.20.4.** One copy to the Allegheny County Sanitary Authority (in areas with combined sewer systems).

§153.21. Plan Review

- §153.21.1.** The BOROUGH has designated the BOROUGH ENGINEER as the DESIGNATED PLAN REVIEWER of SWM SITE Plans for the BOROUGH, and shall be understood to be the reviewer where indicated as the BOROUGH within this ordinance.
- §153.21.2.** SWM SITE Plans shall be reviewed by the BOROUGH for consistency with the provisions of this Ordinance.

- §153.21.3.** The BOROUGH shall notify the APPLICANT in writing within 45 days whether the SWM SITE Plan is approved or disapproved or requires additional documentation. If the SWM SITE Plan involves a SUBDIVISION and LAND DEVELOPMENT Plan, the notification shall occur within the time period allowed by the Municipalities Planning Code (90 days). If a longer notification period is provided by other statute, regulation, or ordinance, the APPLICANT will be so notified by the BOROUGH.
- §153.21.4.** For any SWM SITE Plan that proposes to use any BMPs other than GREEN INFRASTRUCTURE and LID practices to achieve the volume and rate controls required under this Ordinance, the BOROUGH will not approve the SWM SITE Plan unless it determines that GREEN INFRASTRUCTURE and LID practices are not practicable.
- §153.21.5.** If the BOROUGH disapproves the SWM SITE Plan, the BOROUGH will state the reasons for the disapproval in writing. The BOROUGH also may approve the SWM SITE Plan with conditions and, if so, shall provide the acceptable conditions for approval in writing.
- §153.21.6.** The applicable review fee, in accord with Article VI, must accompany a resubmission of a disapproved SWM SITE plan.

§153.22. Modification of Plans

A modification to a submitted SWM SITE Plan that involves a change in SWM BMPs or techniques, or that involves the relocation or redesign of SWM BMPs, or that is necessary because soil or other conditions are not as stated on the SWM SITE Plan, as determined by the DESIGNATED PLAN REVIEWER, shall require a resubmission of the modified SWM SITE Plan in accordance with this Article.

§153.23. Resubmission of Disapproved SWM SITE Plans

A disapproved SWM SITE Plan may be resubmitted, with the revisions addressing the BOROUGH's concerns, to the BOROUGH in accordance with this Article. The applicable review fee, in accord with Article VI, must accompany a resubmission of a disapproved SWM SITE Plan.

§153.24. Authorization to Construct and Term of Validity

The BOROUGH's approval of a SWM SITE Plan authorizes the REGULATED ACTIVITIES contained in the SWM SITE Plan for a maximum term of validity of 5 years following the date of approval. The BOROUGH may specify a term of validity shorter than 5 years in the approval for any specific SWM SITE Plan. Terms of validity shall commence on the date the BOROUGH signs the approval for an SWM SITE Plan. If an approved SWM SITE Plan is not completed according to Section 153.24 within the term of validity, then the BOROUGH may consider the SWM SITE Plan disapproved and may revoke any and all permits. SWM SITE Plans that are considered disapproved by the BOROUGH shall be resubmitted in accordance with Section 153.23 of this Ordinance.

§153.25. Record Drawings, Completion Certificate, and Final Inspection

- §153.25.1.** The developer shall be responsible for provided record drawings of all SWM BMPs included in the approved SWM SITE Plan. The record drawings and an explanation of any discrepancies with the construction plans shall be submitted to the BOROUGH.
- §153.25.2.** The record drawing submission shall include a certification of completion signed by a QUALIFIED PROFESSIONAL verifying that all permanent SWM BMPs have been constructed according to the approved plans and specifications. The latitude and longitude coordinates for all permanent SWM BMPs must also be submitted, at the central location of the BMPs. If any licensed QUALIFIED PROFESSIONALS contributed to the construction plans, then a licensed QUALIFIED PROFESSIONAL must sign the completion certificate.
- §153.25.3.** The BOROUGH may conduct inspections during construction as it deems appropriate. If inspections performed by the BOROUGH reveal deficiencies from the submitted and approved SWM SITE Plan, the BOROUGH may request corrective actions. Any corrective action shall be at the cost of the STORMWATER facility owner.
- §153.25.4.** After receipt of the completion certification by the BOROUGH, the BOROUGH may conduct a final inspection.

ARTICLE V
OPERATIONS AND MAINTENANCE

§153.26. Responsibilities of Developers and Landowners

- §153.26.1.** The BOROUGH shall make the final determination on the continuing maintenance responsibilities prior to final approval of the SWM SITE Plan. The BOROUGH may require a dedication of such facilities as part of the requirements for approval of the SWM SITE Plan. Such a requirement is not an indication that the BOROUGH will accept the facilities. The BOROUGH reserves the right to reject or accept the ownership and operating responsibility for any portion of the STORMWATER management controls.
- §153.26.2.** Facilities, areas, or structures used as SWM BMPs shall be enumerated as permanent real estate appurtenances and recorded as deed restrictions or conservation easements that run with the land.
- §153.26.3.** The O&M Plan shall be recorded as a restrictive deed covenant that runs with the land.
- §153.26.4.** The BOROUGH may take enforcement actions against an owner for any failure to satisfy the provisions of this Article.

§153.27. Operations and Maintenance Agreements

- §153.27.1.** Prior to final approval of the SWM SITE Plan, the property owner shall sign and record an Operation and Maintenance (O&M) Agreement (see Appendix B) covering all STORMWATER control facilities which are to be privately owned. The document attached as Exhibit B is a sample only. The O&M Agreement may be amended at the discretion of the Borough.
- §153.27.1.1.** The owner, successor and assigns shall maintain all facilities in accordance with the approved maintenance schedule in the O&M Agreement.
- §153.27.1.2.** The owner shall convey to the BOROUGH conservation easements to assure access for periodic inspections by the BOROUGH and maintenance, as necessary.
- §153.27.1.3.** The owner shall keep on file with the BOROUGH the name, address, and telephone number of the person or company responsible for maintenance activities; in the event of a change, new information shall be submitted by the owner to the BOROUGH within ten (10) working days of the change.
- §153.27.2.** The owner is responsible for operation and maintenance (O&M) of the SWM BMPs. If the owner fails to adhere to the O&M Agreement, the BOROUGH may perform the services required and charge the owner

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appropriate fees. Nonpayment of fees may result in a lien against the property.

§153.28. Performance Guarantee

For SWM SITE Plans that involve SUBDIVISION and LAND DEVELOPMENT, the APPLICANT shall provide a financial guarantee to the BOROUGH for the timely installation and proper construction of all STORMWATER management controls as required by the approved SWM SITE Plan and this Ordinance in accordance with the provisions of Sections 509, 510, and 511 of the Pennsylvania Municipalities Planning Code.

ARTICLE VI
FEES AND EXPENSES

§153.29. General

The BOROUGH may include all costs, incurred into the review fee charged to an APPLICANT. The review fee may include, but not be limited to, costs for the following:

- §153.29.1.** Administrative/clerical processing.
- §153.29.2.** Review of the SWM SITE Plan.
- §153.29.3.** Review of a SWM SITE Plan resubmission.
- §153.29.4.** Attendance at meetings.
- §153.29.5.** Legal, Engineering and Municipality Planner fees, costs and expenses.
- §153.29.6.** The site inspections including, but not limited to: pre-construction meetings, inspections during construction of stormwater facilities and BMPs, and final inspection upon completion of the storm water BMPs.
- §153.29.7.** Any additional work required to monitor and enforce any provisions of this Ordinance, correct violations, and assure proper completion of stipulated remedial actions.

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**ARTICLE VII
PROHIBITIONS****§153.30. Prohibited Discharges and Connection**

- §153.30.1.** Any drain or conveyance, whether on the surface or subsurface, that allows any non-STORMWATER discharge including sewage, process wastewater, and wash water to enter a regulated small MS4 or to enter the surface WATERS OF THIS COMMONWEALTH is prohibited.
- §153.30.2.** No person shall allow, or cause to allow, discharges into a regulated small MS4, or discharges into WATERS OF THIS COMMONWEALTH, which are not composed entirely of STORMWATER, except (1) as provided in Section 153.30.3. below and (2) discharges authorized under a state or federal permit.
- §153.30.3.** The following discharges are authorized unless they are determined to be significant contributors to pollution of a regulated small MS4 or to the WATERS OF THIS COMMONWEALTH:
- §153.30.3.1.** Discharges or flows from firefighting activities.
 - §153.30.3.2.** Discharges from potable water sources including water line flushing and fire hydrant flushing, if such discharges do not contain detectable concentrations of Total Residual Chlorine (TRC).
 - §153.30.3.3.** Non-contaminated irrigation water, water from lawn maintenance, landscape drainage and flows from riparian habitats and WETLANDS.
 - §153.30.3.4.** Diverted STREAM flows and springs.
 - §153.30.3.5.** Non-contaminated pumped ground water and water from foundation and footing drains and crawl space pumps.
 - §153.30.3.6.** Non-contaminated HVAC condensation and water from geothermal systems.
 - §153.30.3.7.** Residential (i.e., not commercial) vehicle wash water where cleaning agents are not utilized.
 - §153.30.3.8.** Non-contaminated hydrostatic test water discharges, if such discharges do not contain detectable concentrations of TRC.
 - §153.30.3.8.9.** Dechlorinated swimming pool and hot tub discharges, as long as the PADEP guidelines for swimming pool water discharge are followed.

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§153.30.4. In the event that the BOROUGH or DEP determines that any of the discharges identified in Subsection C significantly contribute pollutants to a regulated small MS4 or to the WATERS OF THIS COMMONWEALTH, the BOROUGH or DEP will notify the responsible person(s) to cease the discharge.

§153.31. Roof Drains and Sump Pumps

Roof drains and sump pumps shall discharge to INFILTRATION or vegetative BMPs wherever feasible.

§153.32. Alterations of SWM BMPs

No person shall modify, remove, fill, landscape, or alter any SWM BMPs, facilities, areas, drainage easements, or structures that were installed as a requirement of this Ordinance without the written approval of the BOROUGH.

ARTICLE VIII
ENFORCEMENT AND PENALTIES

§153.33. Right of Entry

Upon presentation of proper credentials, the BOROUGH or its designated agent may enter at reasonable times upon any property within the BOROUGH to inspect the condition of the STORMWATER structures and facilities in regard to any aspect regulated by this Ordinance.

§153.34. Inspection

The landowner or the owner's designee (including the BOROUGH for dedicated and owned facilities) shall inspect SWM BMPs, facilities and/or structures installed under this Ordinance according to the following frequencies, at a minimum, to ensure the BMPs, facilities and/or structures continue to function as intended:

- §153.34.1.** Annually for the first 5 years.
- §153.34.2.** Once every 3 years thereafter.
- §153.34.3.** During or immediately after the cessation of a 10-year or greater storm.

Inspections should be conducted during or immediately following precipitation events. A written inspection report shall be created to document each inspection. The inspection report shall contain the date and time of the inspection, the individual(s) who completed the inspection, the location of the BMP, facility or structure inspected, observations on performance, and recommendations for improving performance, if applicable. Inspection reports shall be submitted to the BOROUGH within 30 days following completion of the inspection.

§153.35. Enforcement

- §153.35.1.** It shall be unlawful for a person to undertake any regulated activity except as provided in an approved SWM SITE Plan, unless specifically exempted in Section 153.14.
- §153.35.2.** It shall be unlawful to violate Section 153.32 of this Ordinance.
- §153.35.3.** Inspections regarding compliance with the SWM SITE Plan are a responsibility of the BOROUGH.

§153.36. Suspension and Revocation

- §153.36.1.** Any approval or permit issued by the BOROUGH pursuant to this Ordinance may be suspended or revoked for:
 - §153.36.1.1.** Non-compliance with or failure to implement any provision of the approved SWM SITE Plan or O&M Agreement.
 - §153.36.1.2.** A violation of any provision of this Ordinance or any other applicable law, ordinance, rule or regulation relating to the

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Regulated Activity.

- §153.36.1.3.** The creation of any condition or the commission of any act during the Regulated Activity which constitutes or creates a hazard, nuisance, pollution, or endangers the life or property of others.
- §153.36.2.** A suspended approval may be reinstated by the BOROUGH when:
- §153.36.2.1.** The BOROUGH has inspected and approved the corrections to the violations that caused the suspension.
- §153.36.2.2.** The BOROUGH is satisfied that the violation has been corrected.
- §153.36.3.** An approval that has been revoked by the BOROUGH cannot be reinstated. The APPLICANT may apply for a new approval under the provisions of this Ordinance.
- §153.36.4.** If a violation causes no immediate danger to life, public health, or property, at its sole discretion, the BOROUGH may provide a limited time period for the owner to correct the violation. In these cases, the BOROUGH will provide the owner, or the owner's designee with a written notice of the violation and the time period allowed for the owner to correct the violation. Said notice may further advise that, if applicable, should the owner or the owner's designee fail to take the required action within the established deadline, the work will be done by the Town or its designee and the expense thereof shall be charged to the owner or the owner's designee. Failure to pay the amount charged within 30 days of completion of the work by the BOROUGH or its designee shall be a violation of this ordinance and, in addition to other available remedies at law, subject the violator to the Penalty provisions of this Ordinance. If the owner does not correct the violation within the allowed time period, the BOROUGH may revoke or suspend any, or all, applicable approvals and permits pertaining to any provision of this Ordinance and may seek penalties in accordance with Section 153.37.

§153.37. Penalties

- §153.37.1.** Anyone violating the provisions of this Ordinance shall be guilty of a summary offense, and upon conviction, shall be subject to a fine of not more than \$1,000 for each violation, recoverable with costs. The establishment of a violation for purposes of setting fines or penalties for such violation shall be in accordance with a citation to a magisterial district judge with jurisdiction and venue over the location of the violation and such an action will be subject to the procedures provided for the enforcement of summary offenses under the Pennsylvania Rules of Criminal Procedure. A separate offense shall arise for each day or portion thereof a violation is found to exist and may be determined for each section of this Ordinance which is found to have been violated.

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Penalties shall be cumulative.

§153.37.2. In addition, the BOROUGH may institute injunctive, mandamus, or any other appropriate action or proceeding at law or in equity for the enforcement of this Ordinance. Any court of competent jurisdiction shall have the right to issue restraining orders, temporary or permanent injunctions, mandamus, or other appropriate forms of remedy or relief. Such relief may include costs, fees, and charges, including the Borough's attorney's fees (charged at the hourly rate approved by the Governing Body of the Municipality) and costs, as may be permitted by law.

§153.38. Appeals

§153.38.1. Any person aggrieved by any action of the BOROUGH or its designee, relevant to the provisions of this Ordinance, may appeal to the BOROUGH within 30 days of that action.

§153.38.2. Any person aggrieved by any decision of the BOROUGH, relevant to the provisions of this Ordinance, may appeal to the County Court of Common Pleas in the county where the activity has taken place within 30 days of the BOROUGH's decision.

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**ARTICLE IX
REFERENCES**

1. U.S. Department of Agriculture, National Resources Conservation Service (NRCS). *National Engineering Handbook*. Part 630: Hydrology, 1969-2001. Originally published as the *National Engineering Handbook*, Section 4: Hydrology. Available from the NRCS online at: <http://www.nrcs.usda.gov/>.
2. U.S. Department of Agriculture, Natural Resources Conservation Service. 1986. *Technical Release 55: Urban Hydrology for Small WATERSHEDs*, 2nd Edition. Washington, D.C.
3. Pennsylvania Department of Environmental Protection. No. 363-0300-002 (December 2006), as amended and updated. *Pennsylvania STORMWATER BEST MANAGEMENT PRACTICES Manual*. Harrisburg, PA.
4. Pennsylvania Department of Environmental Protection. No. 363-2134-008 (March 31, 2012), as amended and updated. *EROSION and SEDIMENT Pollution Control Program Manual*. Harrisburg, PA.
5. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, Hydrometeorological Design Studies Center. 2004-2006. *Precipitation-Frequency Atlas of the United States, Atlas 14, Volume 2, Version 3.0*, Silver Spring, Maryland. Internet address: <http://hdsc.nws.noaa.gov/hdsc/pfds/>.

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APPENDIX A

NEW AND EXISTING RELEASE RATE MANAGEMENT DISTRICTS (MAPS)
(To Be Adopted, Repealed and Amended by Resolution)

APPENDIX B**OPERATION AND MAINTENANCE (O&M) AGREEMENT
STORMWATER MANAGEMENT BEST MANAGEMENT PRACTICES (SWM BMPs)**

THIS AGREEMENT, made and entered into this _____ day of _____, 20____, by and between _____ (hereinafter the "Landowner"), and the Borough of Whitehall, Allegheny County, Pennsylvania (hereinafter "Municipality");

WITNESSETH

WHEREAS, the Landowner is the owner of certain real property as recorded by deed in the land records of Allegheny County, Pennsylvania, Deed Book _____ at page _____, (hereinafter "Property").

WHEREAS, the Landowner is proceeding to build and develop the Property; and

WHEREAS, the SWM BMP Operation and Maintenance (O&M) Plan approved by the Municipality (hereinafter referred to as the "O&M Plan") for the property identified herein, which is attached hereto as Appendix A and made part hereof, as approved by the Municipality, provides for management of stormwater within the confines of the Property through the use of BMPs; and

WHEREAS, the Municipality, and the Landowner, his successors and assigns, agree that the health, safety, and welfare of the residents of the Municipality and the protection and maintenance of water quality require that on-site SWM BMPs be constructed and maintained on the Property; and

WHEREAS, the Municipality requires, through the implementation of the SWM Site Plan, that SWM BMPs as required by said SWM Site Plan and the Municipal Stormwater Management Ordinance be constructed and adequately operated and maintained by the Landowner, successors, and assigns.

NOW, THEREFORE, in consideration of the foregoing promises, the mutual covenants contained herein, and the following terms and conditions, the parties hereto agree as follows:

1. The Landowner shall construct the BMPs in accordance with the plans and specifications identified in the SWM Site Plan.
2. The Landowner shall operate and maintain the BMPs as shown on the SWM Site Plan in good working order in accordance with the specific operation and maintenance requirements noted on the approved O&M Plan.
3. The Landowner hereby grants permission to the Municipality, its authorized agents and employees, to enter upon the property, at reasonable times and upon presentation of proper credentials, to inspect the BMPs whenever necessary. Whenever possible, the Municipality shall notify the Landowner prior to entering the property.
4. In the event the Landowner fails to operate and maintain the BMPs per paragraph 2, the Municipality or its representatives may enter upon the Property and take whatever action is deemed necessary to maintain said BMP(s). It is expressly understood and agreed that the

Municipality is under no obligation to maintain or repair said facilities, and in no event shall this Agreement be construed to impose any such obligation on the Municipality.

- 5. In the event the Municipality, pursuant to this Agreement, performs work of any nature, or expends any funds in performance of said work for labor, use of equipment, supplies, materials, and the like, the Landowner shall reimburse the Municipality for all expenses (direct and indirect) incurred within 10 days of receipt of invoice from the Municipality.
- 6. The intent and purpose of this Agreement is to ensure the proper maintenance of the on-site BMPs by the Landowner; provided, however, that this Agreement shall not be deemed to create any additional liability of any party for damage alleged to result from or be caused by stormwater runoff.
- 7. The Landowner, its executors, administrators, assigns, and other successors in interests, shall release the Municipality from all damages, accidents, casualties, occurrences, or claims which might arise or be asserted against said employees and representatives from the construction, presence, existence, or maintenance of the BMP(s) by the Landowner or Municipality.
- 8. The Municipality intends to inspect the BMPs at a minimum of once every three years to ensure their continued functioning.

This Agreement shall be recorded at the Office of the Recorder of Deeds of Allegheny County, Pennsylvania, and shall constitute a covenant running with the Property and/or equitable servitude, and shall be binding on the Landowner, his administrators, executors, assigns, heirs, and any other successors in interests, in perpetuity.

ATTEST:

WITNESS the following signatures and seals:

(SEAL)

For the Municipality:

For the Landowner:

ATTEST:

Borough of Whitehall

County of Allegheny, Pennsylvania

I, _____, a Notary Public in and for the county and state aforesaid, whose commission expires on the _____ day of _____, 20_____, do hereby certify that _____ whose name(s) is/are signed to the foregoing Agreement bearing date of the _____ day of _____, 20_____, has acknowledged the same before me in my said county and state.

GIVEN UNDER MY HAND THIS _____ day of _____, 20_____.

NOTARY PUBLIC

(SEAL)

Section 2. REPEALER. As of the effective date of this Ordinance, all ordinances currently in existence are repealed to the extent that such ordinances are inconsistent with the provisions of this Ordinance; provided however, that such ordinances shall remain in full force and effect to the extent that they are not inconsistent with or more restrictive than the provisions of this Ordinance.

Section 3. SEVERABILITY. The provisions of this Ordinance, including the provisions of the Stormwater Management Ordinance set forth in Section 1, are severable. If any section, sentence or clause of this Ordinance and/or the Stormwater Management Ordinance, is for any reason found to be unconstitutional, illegal or invalid, such unconstitutionality, illegality or invalidity shall not affect or impair any of the remaining sections, sentences or clauses of this Ordinance. The intention of the Borough is that the provisions of this Ordinance shall be severable and that this Ordinance would have been adopted if any such illegal or unconstitutional provisions had not been included.

Section 4. This Ordinance shall become effective immediately and shall repeal all other inconsistent ordinances.

ORDAINED AND ENACTED into law, this ____ day of _____, 2018.

ATTEST:

BOROUGH OF WHITEHALL

Manager

BY _____
President of Council

EXAMINED AND APPROVED by me, this ____ day of _____, 2018.

Mayor

TADMS:5054247-3 013150-121693